

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

*Atmospheric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate*

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on \_\_\_\_\_, under Application No. \_\_\_\_\_, executed on even date herewith; or
- ☐ Express Mail No. \_\_\_\_\_ (as Application No. not yet known) and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

# PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

# PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

<u>Application No.</u>	<u>Filing Date</u>	<u>Status</u>
		<u>Patented</u> <u>Pending</u> <u>Abandoned</u>

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Joseph Bach	Registration No. 37,771
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
Loretta Peters	Registration No. 43,855
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
Robert C. Colwell	Registration No. 27,431
William L. Shaffer	Registration No. 37,234
Patrick R. Jewik	Registration No. 40,456

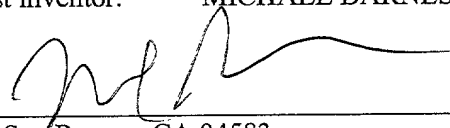
Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061	Patrick R. Jewik
Legal Affairs Dept.	(415) 576-0200
Applied Materials, Inc.	
P.O. Box 450A	
Santa Clara, CA 95052	

## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: MICHAEL BARNES

Inventor's signature: 

Date: 9/15/01

Residence: San Ramon, CA 94583

Post Office Address: P.O. Box 471182, San Ramon, CA 94583

United States

Country of Citizenship:

United States

Full name of second inventor: MICHAEL S. COX

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Davenport, CA 95017

Post Office Address: P.O. Box 259, Davenport, CA 95017

United States

Country of Citizenship:

United States

Full name of third inventor: CANFENG LAI

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Fremont, CA 94539

Post Office Address: 47615 Hoyt Street, Fremont, CA 94539

United States

Country of Citizenship: China

Full name of fourth inventor: JOHN PARKS

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: San Jose, CA 95134

Post Office Address: 19 Torregata Loop, San Jose, CA 95134

United States

Country of Citizenship: United States

(Declaration ends with this page)

SF 1255099 v1

# COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

## INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## TITLE OF INVENTION

*Atmospheric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate*

## SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on \_\_\_\_\_, under Application No. \_\_\_\_\_, executed on even date herewith; or
- ☐ Express Mail No. \_\_\_\_\_ (as Application No. not yet known) and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

## ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

# PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

# PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

<u>Application No.</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Joseph Bach	Registration No. 37,771
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
Loretta Peters	Registration No. 43,855
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
Robert C. Colwell	Registration No. 27,431
William L. Shaffer	Registration No. 37,234
Patrick R. Jewik	Registration No. 40,456

Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061	Patrick R. Jewik
Legal Affairs Dept.	(415) 576-0200
Applied Materials, Inc.	
P.O. Box 450A	
Santa Clara, CA 95052	

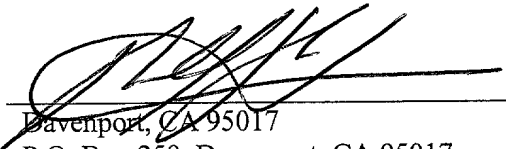
## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: MICHAEL BARNES

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: San Ramon, CA 94583  
Post Office Address: P.O. Box 471182, San Ramon, CA 94583  
United States Country of Citizenship: United States

Full name of second inventor: MICHAEL S. COX

Inventor's signature:  Date: 8/16/91  
Residence: Davenport, CA 95017  
Post Office Address: P.O. Box 259, Davenport, CA 95017  
United States Country of Citizenship: United States

Full name of third inventor: CANFENG LAI

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Fremont, CA 94539

Post Office Address: 47615 Hoyt Street, Fremont, CA 94539

United States

Country of Citizenship: China

Full name of fourth inventor: JOHN PARKS

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: San Jose, CA 95134

Post Office Address: 19 Torregata Loop, San Jose, CA 95134

United States

Country of Citizenship: United States

(Declaration ends with this page)

SF 1255099 v1



COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

*Atmospheric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate*

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on \_\_\_\_\_, under Application No. \_\_\_\_\_, executed on even date herewith; or
- ☐ Express Mail No. \_\_\_\_\_ (as Application No. not yet known) and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

# PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

Country/PCT	Application No	Date Filed	Priority Claimed	
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

# PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

Application No.	Filing Date	Status		
		Patented	Pending	Abandoned

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Joseph Bach	Registration No. 37,771
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
Loretta Peters	Registration No. 43,855
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
Robert C. Colwell	Registration No. 27,431
William L. Shaffer	Registration No. 37,234
Patrick R. Jewik	Registration No. 40,456

Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061	Patrick R. Jewik
Legal Affairs Dept.	(415) 576-0200
Applied Materials, Inc.	
P.O. Box 450A	
Santa Clara, CA 95052	

## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

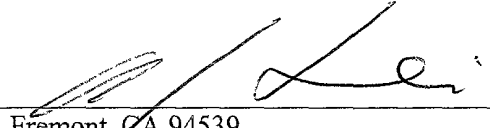
Full name of sole or first inventor: MICHAEL BARNES

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: San Ramon, CA 94583  
Post Office Address: P.O. Box 471182, San Ramon, CA 94583  
United States Country of Citizenship: United States

Full name of second inventor: MICHAEL S. COX

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Davenport, CA 95017  
Post Office Address: P.O. Box 259, Davenport, CA 95017  
United States Country of Citizenship: United States

Full name of third inventor: CANFENG LAI

Inventor's signature: 

Date: 8/16/01

Residence: Fremont, CA 94539

Post Office Address: 47615 Hoyt Street, Fremont, CA 94539

United States

Country of Citizenship: ~~China~~ USA

Full name of fourth inventor: JOHN PARKS

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: San Jose, CA 95134

Post Office Address: 19 Torregata Loop, San Jose, CA 95134

United States

Country of Citizenship: United States

(Declaration ends with this page)

SF 1255099 v1

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ [ X ] original
- ☐ [ ] divisional
- ☐ [ ] continuation
- ☐ [ ] continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

*Atmospheric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate*

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ [ X ] is attached hereto
- ☐ [ ] was filed on \_\_\_\_\_, under Application No. \_\_\_\_\_, executed on even date herewith; or
- ☐ [ ] Express Mail No. \_\_\_\_\_ (as Application No. not yet known) and was amended on \_\_\_\_\_ (if applicable)
- ☐ [ ] was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ [ ] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

# PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

# PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

<u>Application No.</u>	<u>Filing Date</u>	<u>Status</u>
		<u>Patented</u> <u>Pending</u> <u>Abandoned</u>

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Joseph Bach	Registration No. 37,771
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
Loretta Peters	Registration No. 43,855
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
Robert C. Colwell	Registration No. 27,431
William L. Shaffer	Registration No. 37,234
Patrick R. Jewik	Registration No. 40,456

Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061	Patrick R. Jewik
Legal Affairs Dept.	(415) 576-0200
Applied Materials, Inc.	
P.O. Box 450A	
Santa Clara, CA 95052	

## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: MICHAEL BARNES

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: San Ramon, CA 94583  
Post Office Address: P.O. Box 471182, San Ramon, CA 94583  
United States Country of Citizenship: United States


Full name of second inventor: MICHAEL S. COX

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Davenport, CA 95017  
Post Office Address: P.O. Box 259, Davenport, CA 95017  
United States Country of Citizenship: United States

Full name of third inventor: CANFENG LAI

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Fremont, CA 94539  
Post Office Address: 47615 Hoyt Street, Fremont, CA 94539  
United States Country of Citizenship: China

Full name of fourth inventor: JOHN PARKS

Inventor's signature:  Date: 8/23/01  
Residence: San Jose, CA 95134  
Post Office Address: 19 Torregata Loop, San Jose, CA 95134  
United States Country of Citizenship: United States

(Declaration ends with this page)

SP 1255099 v1